

Norfolk Public Schools Career and Technical Education High School

"Re-imagining Teaching and Learning for College, Career, and Citizenship Readiness"

December 2018



https://youtu.be/_QTXnnK1Lho?t=11

Worcester Technical High School

A Comprehensive CTE Approach

CTE High School Overview

- Concept: Full time, comprehensive CTE High School/Advanced Career Pathway Center that meets the city's current/future educational and economic (workforce) demands.
- Curriculum: Rigorous academics integrated with high demand, high quality CTE programs. Dual Enrollment and Advanced Placement. Industry Credentials/Licensure. Co-Curricular Activities, Athletics, and Work Based Learning.
- Enrollment: 1400 -1600 students, grades 9-12. Adult Education Services/Workforce Development (600 adults). Application based enrollment.

Developed By A Highly Collaborative Partnership

Norfolk Public School System

The City of Norfolk



Historical Planning

2010 2011 2012 2013 2014 2015-2017 Today



Task Force met with Robert Schwartz, Harvard Graduate School coauthor of Pathways to Prosperity: Meeting the Challenge of Preparing Young Americans for the 21st Century.

First of 10 CTE instructional, programmatic, and facility site visits located in Massachusetts, Delaware, Georgia, New York, Northern Virginia, and Hampton Roads with virtual visits for California, Tennessee, and Florida.

City Council includes \$500,000 in planning money for CTE High School Study to recommend site; develop preliminary conceptual design and educational program; and look at cost of renovation versus building new.

Opportunity, Inc. Workforce Demand Study Feasibility
Study
completed;
recommended
new state-ofthe-art CTE high
school at Lake

Taylor.

Determination of learning and operational structures with industry, Higher Ed, and community input. RRMM Architects, working with NPS, engaged to take initial conceptual design to the next level.

A series of listening and

feedback sessions held with industry, and educators.
There were a total of 74 people who attended those sessions in addition to the community forums held throughout the division.

School Board Resolution;

Feasibility Update from RRMM

Pilot Programs related to the Learning Academy Structure

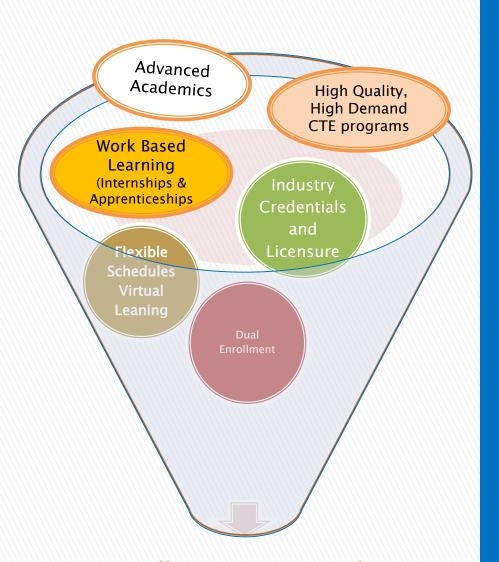
Expansion of active Partnerships for CTE high school and postsecondary options.

Restructuring of Work Based Learning for student success.

Our Champion Partners extend across various planning phases and industries

- Newport News Shipbuilding
- The Apprentice School Newport News Shipbuilding
- Virginia Ship Repair Association
- Opportunity Inc.
- American Maritime Holdings
- (Naval) Mid-Atlantic Regional Maintenance Center (MARMC)
- NSC Technologies
- BAE Systems
- Colonna's Shipyard
- Colonial Webb Contractors
- Bauer Compressor
- STIHL
- NASA Langley Research Center
- RRMM
- ADP
- PRA
- Maxx Potential
- Booze Allen Hamilton
- Towne Bank
- Norfolk Public Schools (K-12 Educators)

- GROW
- Dominion Enterprises
- Hatch
- United Networks
- Sentara Healthcare
- Bon Secours
- Willcox & Savage
- S.L. Nusbaum
- Norfolk Southern
- MacArthur Center
- Dollar Tree
- City of Norfolk Agencies
- Tidewater Community College
- Old Dominion University
- Norfolk State University
- Greater Norfolk Corporation
- Bay Port Credit Union
- National and State Restaurant Education Associations
- Military Partners



CTE High School Programming Components

College, Career, and Citizenship Readiness

Integrated Curriculum for College, Career, and Citizenship Readiness

Work Based Learning

Relevant in-depth exposure to hands-on learning within high demand career clusters and pathways.

Technical Educational

skills and theory to certify students for high demand middle to higher income jobs

Academic Instruction

Advanced integrated academics (core and electives) taught within various platforms/formats

Learning Academy Structure

Regional Maritimes Trades Academy Governor's Health Sciences Academy

Business and Information Technology

Governor's STE(A)M Academy

Governor's Health Sciences Academy

Business Partners

Sentara Healthcare Systems

Higher Education Partners

- Tidewater Community College
- Old Dominion University (Proposed)
- Hampton University

National Industry Certifications

- NCLEX-PN (Nursing), DANB (Dental), ExCPT (Pharmacy)
- Each program to be nationally and/or state accredited.

Work Based Learning

Clinical Experiences



^{*}Please note that this academy slide is not all inclusive. It contains summary/overview/example information only for presentation purposes.

Regional Maritime Trades Academy

Business Partners

- Virginia Ship Repair Association
- Virginia Dept. of Labor and Industry

Higher Education Partners

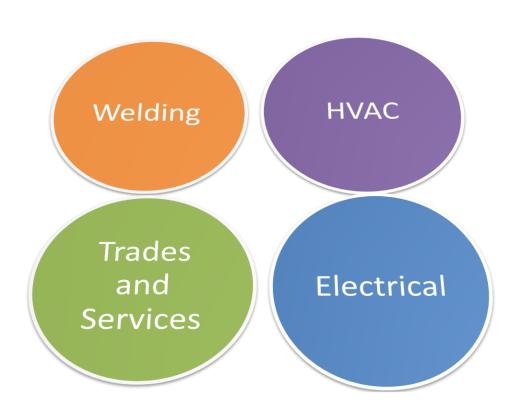
- Tidewater Community College
- Apprenticeship Programs

Industry Certifications

NCCER, American Welding Society

Work Based Learning

Internships, Youth Registered Apprenticeships



^{*}Please note that this academy slide is not all inclusive. It contains summary/overview information only for presentation purposes.

Business and Information Technology Academy

Business Partners

- IT Academy Advisory consisting of 10-12 local, state, national businesses
- National Restaurant Association Educational Foundation

Higher Education Partners

- Tidewater Community College
- Norfolk State University
- Old Dominion University (Proposed)

Industry Certifications

Microsoft, Prostart, Security+

Work Based Learning

Internships, Apprenticeships



^{*}Please note that this academy slide is not all inclusive. It contains summary/overview/example information only for presentation purposes.

Governor's STE(A)M Academy

Business Partners

 STE(A)M Academy Advisory consisting of 10-12 local, state, national businesses.

Higher Education Partners

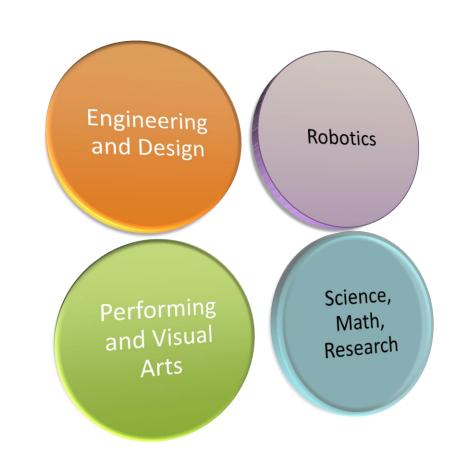
- Tidewater Community College
- Old Dominion University
- Norfolk State University

Industry Certifications

AutoCAD, Autodesk, PLTW

Work Based Learning

Job Shadowing, Internships



^{*}Please note that this academy slide is not all inclusive. It contains summary/overview/example information only for presentation purposes.

Workforce Development

Adult Education Learning Experience

Adult Registered Apprenticeship

Advanced Continuing Education

Military Transition Adult Basic Education

CTE Works...

For High School Students

• "CTE Students are more engaged, perform better, and graduate at higher rates." The average graduation rate for CTE concentrators is 93%.

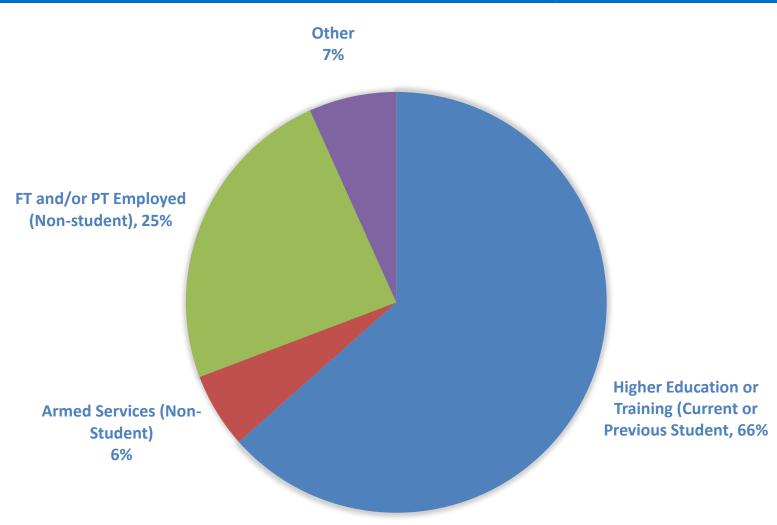
For Adults and Post-Secondary

- "CTE fosters postsecondary completion and prepares students and adults for in-demand careers."
- "27% of individuals with less than an associate's degree (including licenses and certificates) earn more that the average bachelor's degree recipient."



CTE Completers Post-Secondary Transitions

NPS Graduating Cohort 2017 (CTE Completers only)



CTE Works...

For The Economy

"Investing in CTE yields big returns for state (and local) economies."

For Business and Industry

- "CTE addresses the needs of high growth industries and helps to close skills gaps." (Healthcare, STEM, and other industries)
- CTE creates a strong pipeline of talent to replace an aging workforce.





Questions, Answers, and Discussion